

## Supplementary Material

### Coexistence of topological node surface and Dirac fermions in phonon-mediated superconductor $\text{YB}_2\text{C}_2$

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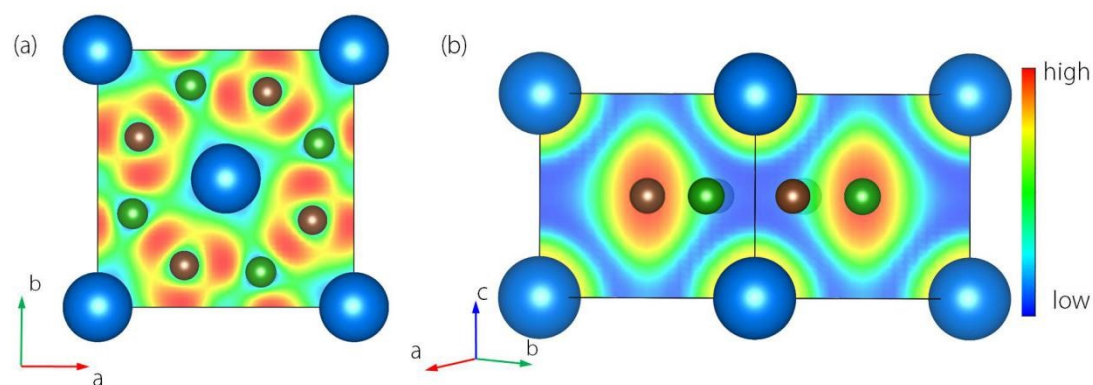


Fig. S1 Different electron localization function planes of  $\text{YB}_2\text{C}_2$ .

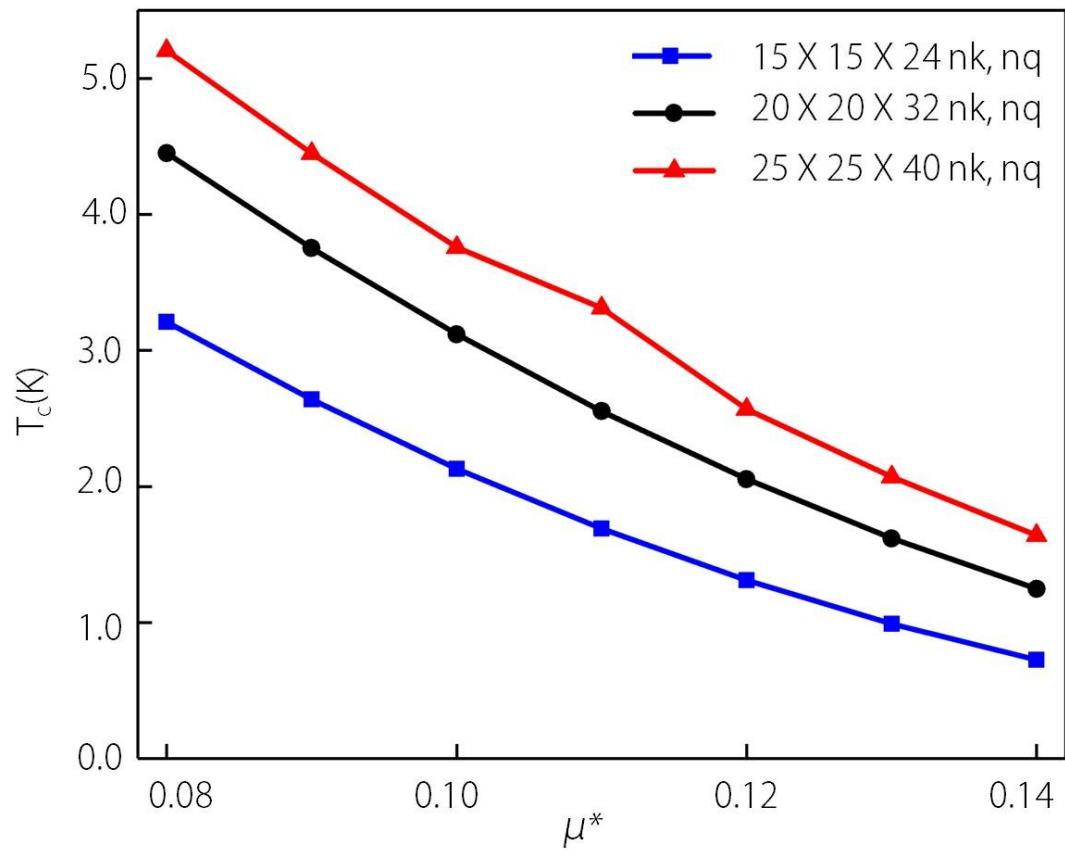


Fig. S2  $T_c$  as a function of Coulomb pseudopotential parameter  $\mu^*$  with different k mesh and q mesh interpolated by Wannier functions.